

## PATENT ABSTRACTS OF JAPAN

(11)Publication number : 05-136999

(43)Date of publication of application : 01.06.1993

(51)Int.Cl.

H04N 1/40

(21)Application number : 03-321440

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(22)Date of filing : 11.11.1991

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## (54) EDGE EMPHASIS PROCESSING DEVICE FOR PICTURE INFORMATION

## (57)Abstract:

PURPOSE: To enable the proper processing of document pictures by discriminating the noted picture element as an edge picture element and correcting the noted picture element into white or black density when any of each density difference is more than the threshold level.

CONSTITUTION: Two types of threshold level is stored and whether a picture to be processed is a detailed picture or a normal picture is discriminated by the density of the noted picture element, the average density of picture elements near the noted picture element, or the rate of the number of picture elements of the intermediate density. In the case of the detailed picture, the lower threshold level is selected and the higher threshold level is selected in the case of the normal picture. The edge picture element is discriminated by an edge decision part 2 according to the known process, to be corrected to the white or black density. Thus, as the threshold level is not set low in the normal picture and the gradation of the base of the original is never erroneously discriminated as edge, original pictures can be properly processed at all times.

